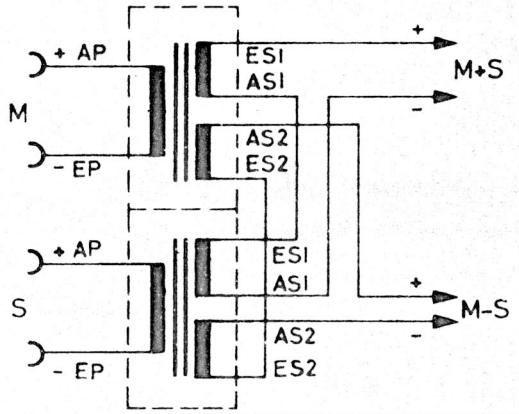
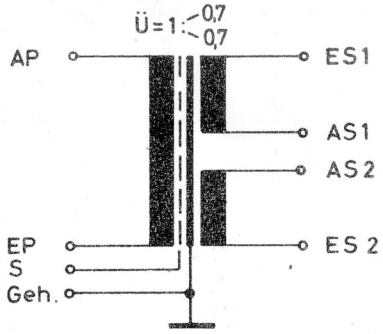
MATRIXING (SUM + DIFFERENCE) TRANSFORMERS

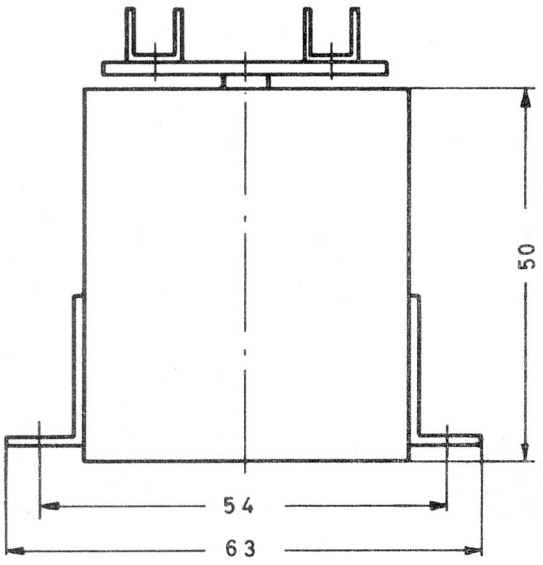
Z-140/Z-240 - 918-02-00

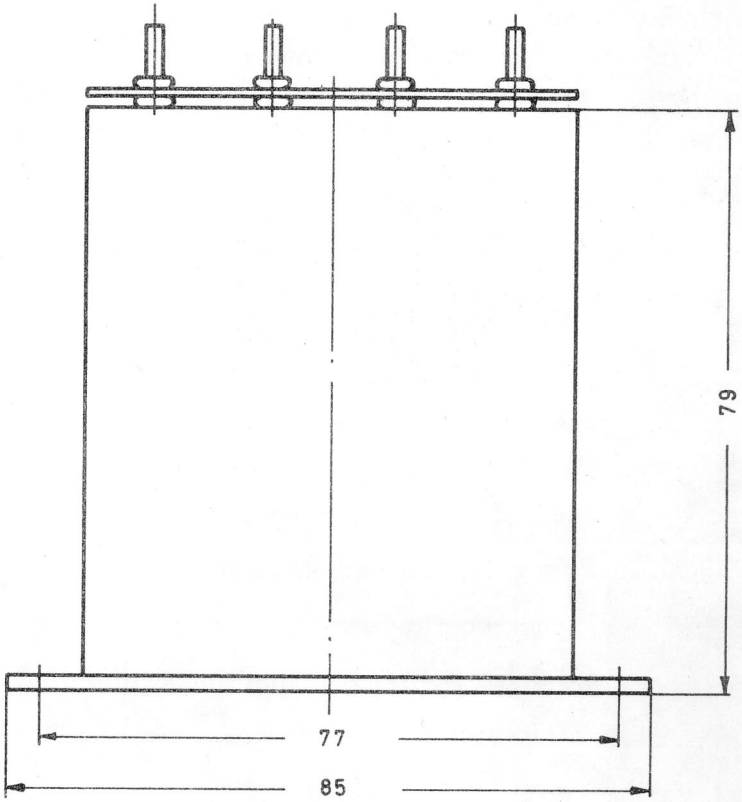
The Model Z-140 and Z-240 Transformers are highest quality differential units which when connected in pairs may be used for the matrixing of stereo signals between left/right and sum/difference. The transformers are built into mu-metal cases and the coil ends are brought out to solder terminals.

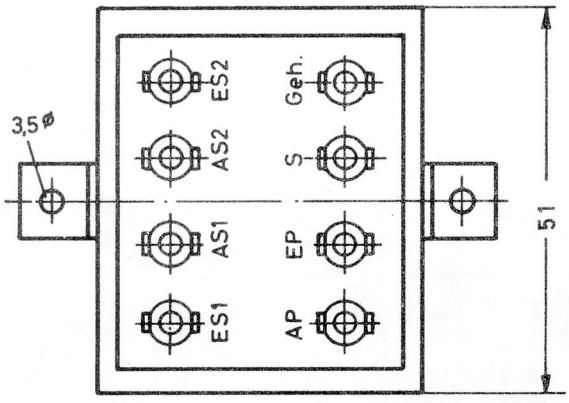
	Z-140	Z-240
Turns ratio	1 : 2 times 0.7 = 1:1.4 total	
Frequency response for secondary terminated in 1000 Ω	30 ... 15,000 Hz ± 0.5 dB	
Max. input level for 1% distortion	+8 dB (2 V) at 40 Hz	+22 dB (10 V) at 40 Hz
Primary open circuit inductance (50 Hz)	5 H.	20 H.
Primary open circuit impedance (50 Hz)	1500 Ω	6000 Ω
Primary DC resistance	11 Ω	8 Ω
Secondary DC resistance	2 x 7 Ω	2 x 6 Ω
Balance attenuation		
at 1000 Hz	= 90 dB	= 100 dB
at 15 kHz	= 80 dB	= 70 dB

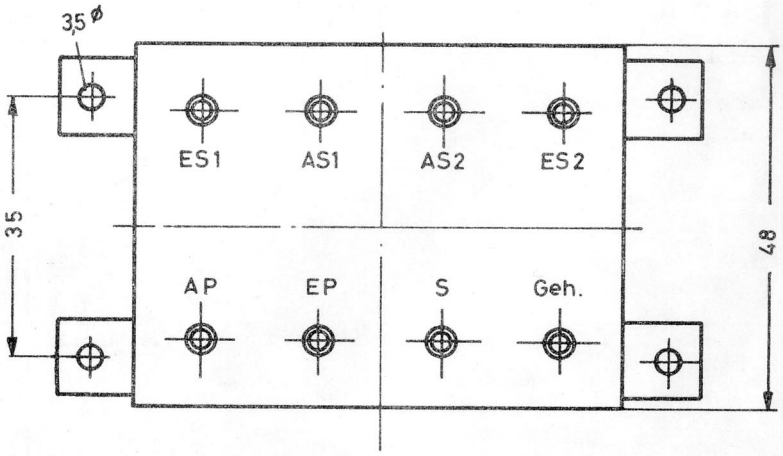



Ü = 1 : 0,7 / 0,7
AP
ES1
AS1
AS2
EP
ES 2
S
Geh.


50
54
63


79
77
85


3,5 ø
ES2
Geh.
AS2
S
AS1
EP
ES1
AP
51


3,5 ø
ES1
AS1
AS2
ES2
AP
EP
S
Geh.
35
48

Z140

Z240